

CLAIMS

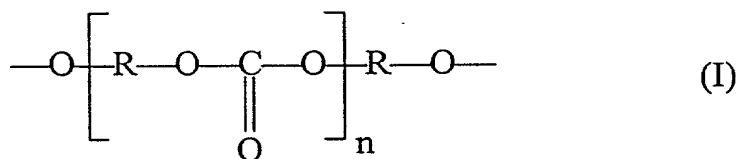
1. An adhesive comprising at least one filler, wherein said adhesive comprises a prepolymer selected from the group consisting of a polycarbonate prepolymer comprising a polycarbonate radical with a mean equivalence weight of 100 to 1000, in particular 250 to 750, more preferred 250 to 500, and a prepolymer mixture containing a respective polycarbonate prepolymer, or prepolymers comprising several polycarbonate prepolymers.

2. The adhesive of claim 1, which is a one-component adhesive.

3. The adhesive of claim 1, which is a two-component adhesive.

4. The adhesive of one of the preceding claims wherein the polycarbonate polyol radical is a polycarbonate diol radical.

5. The adhesive of claim 4 wherein the polycarbonate diol radical has the following formula I:



wherein R represents a linear or branched, saturated or unsaturated aliphatic radical, a saturated or unsaturated cycloaliphatic radical, an araliphatic radical, or an aromatic radical with 3 to 10 carbon atoms, and

n = 1 to 8, preferably 2 to 5.

6. The adhesive of claim 5, wherein the polycarbonate diol radical has a mean molecular weight of 500 to 1500, in particular 500 to 1000.

7. The adhesive of anyone of the preceding claims, wherein the end groups of the prepolymer as selected from the group consisting of isocyanate groups, silane groups and mixtures thereof.

8. Filler containing adhesive, wherein the polycarbonate prepolymer is present in an amount of from 0.1 to 75 % by weight, in particular 1 to 25 % by weight, and the filler is present in an amount of from 10 to 80 % by weight, in particular 20 to 50 % by weight, each referred to the whole weight of the adhesive.

9. The adhesive of anyone of the preceding claims, wherein the fillers comprise a structure forming agent, in particular a conducting structure forming agent, particularly preferred not or slightly oxidized carbon black.

10. The adhesive of claim 9, wherein the at least one conductive filler is present in amounts of from 3 to 80 % by weight, preferably 10 to 50 % by weight, much preferably 20 to 40 % by weight, each referred to the total weight of the adhesive.

11. The adhesive of anyone of the preceding claims, wherein the prepolymer is a prepolymer mixture that besides of polycarbonate prepolymer contains prepolymers based on non-polycarbonate polyols, in particular on polyether polyols.

12. The adhesive of claim 11, wherein the non-polycarbonate polyol has a functionality between 1.5 and 3 and an average molecular weight between 400 and 20'000.

13. The adhesive of claim 12, wherein the non-polycarbonate polyol is present in amounts of from 5 to 85 %

by weight referred to the weight of the adhesive, preferably 10 to 75 % by weight.

14. Method for the production of an adhesive according to anyone of the preceding claims, wherein a polycarbonate polyole radical containing polycarbonate prepolymer or a prepolymer mixture containing such a polycarbonate prepolymer are mixed with at least one filler under water-free conditions.

15. Method according to claim 14, wherein a prepolymer mixture is used that contains prepolymers with polyetherpolyole radicals, in particular polyether diol radicals.

16. Method for direct glassing of antenna containing panes wherein a filler containing adhesive according to anyone of claims 1 to 13 is applied in close proximity or on parts of the antenna.